

## EAST Search History

| Ref # | Hits  | Search Query  | DBs                                    | Default Operator | Plurals | Time Stamp       |
|-------|-------|---|--|------------------|---------|------------------|
| S1    | 1     | "6724072".pn.   | USPAT                                  | OR               | ON      | 2006/04/20 17:09 |
| S2    | 4     | ("20030087478"   "5293065"   "6309575"   "6424023").PN.   | US-PGPUB;<br>USPAT;<br>USOCR           | OR               | ON      | 2006/04/20 14:23 |
| S3    | 0     | ("6724072").URPN.   | USPAT                                  | OR               | ON      | 2006/04/20 14:25 |
| S4    | 107   | (hexahedral hexahedron) with cavity   | US-PGPUB;<br>USPAT;<br>JPO;<br>DERWENT | OR               | ON      | 2006/04/20 17:09 |
| S5    | 12    | S4 with mold  | US-PGPUB;<br>USPAT;<br>JPO;<br>DERWENT | OR               | ON      | 2006/04/20 17:10 |
| S6    | 15468 | (taper tapered tapering) with (cavity)  | US-PGPUB;<br>USPAT;<br>JPO;<br>DERWENT | OR               | ON      | 2006/04/20 17:11 |
| S7    | 1807  | S6 with mold  | US-PGPUB;<br>USPAT;<br>JPO;<br>DERWENT | OR               | ON      | 2006/04/20 17:11 |
| S8    | 65    | S7 with (release released releasing)  | US-PGPUB;<br>USPAT;<br>JPO;<br>DERWENT | OR               | ON      | 2006/04/20 17:11 |
| S9    | 0     | S8 same (semiconductor)   | US-PGPUB;<br>USPAT;<br>JPO;<br>DERWENT | OR               | ON      | 2006/04/20 17:11 |
| S10   | 4     | S8 and (semiconductor)  | US-PGPUB;<br>USPAT;<br>JPO;<br>DERWENT | OR               | ON      | 2006/04/20 17:31 |
| S11   | 597   | 425/116.ccls.   | USPAT                                  | OR               | ON      | 2006/04/21 16:46 |
| S12   | 17    | ("3083408"   "3216060"   "3410699"   "4442056"   "4872825"   "4956141"   "4965037"   "5000903"   "5098626"   "5151276"   "5529474"   "5674343"   "5846477"   "H001654").PN. | US-PGPUB;<br>USPAT;<br>USOCR           | OR               | ON      | 2006/04/21 10:07 |
| S13   | 2     | ("6444157").URPN.   | USPAT                                  | OR               | ON      | 2006/04/21 10:08 |
| S14   | 12    | ("4944908"   "5147821"   "5603879"   "5846477"   "5891384"   "6048483"   "6126885"   "6258314"   "6344162"   "6350113"   "6439869"   "6444157").PN.                         | US-PGPUB;<br>USPAT;<br>USOCR           | OR               | ON      | 2006/04/21 10:09 |

## EAST Search History

|     |    |   |                              |    |    |                  |
|-----|----|---|------------------------------|----|----|------------------|
| S15 | 17 | ("3754070"   "4003544"   "4052241"   "4944908"   "4956141"   "4965037"   "5043199"   "5098626"   "5151276"   "5185653"   "5226997"   "5270262"   "5401457"   "5417905"   "5431854"   "H001654").PN.                                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/21 10:12 |
| S16 | 15 | ("5891384").URPN.   | USPAT                        | OR | ON | 2006/04/21 10:14 |
| S17 | 1  | ("6676885").URPN.   | USPAT                        | OR | ON | 2006/04/21 10:45 |
| S18 | 18 | ("20020042160"   "20020109218"   "5079190"   "5197183"   "5218234"   "5535101"   "5644169"   "5986885"   "6038136"   "6069408"   "6081997"   "6173490"   "6239487"   "6309916"   "6400014"   "6552428"   "6645792"   "6676885").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/21 10:45 |
| S19 | 0  | ("6867487").URPN.   | USPAT                        | OR | ON | 2006/04/21 10:49 |
| S20 | 7  | ("4347211"   "4650626"   "5098626"   "5674343"   "5735040"   "5800841"   "H001654").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/21 12:34 |
| S21 | 12 | ("6080354").URPN.   | USPAT                        | OR | ON | 2006/04/21 12:35 |
| S23 | 2  | ("5214846"   "5686038").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/21 12:41 |
| S24 | 1  | ("5897883").URPN.   | USPAT                        | OR | ON | 2006/04/21 12:41 |
| S25 | 3  | ("4641418"   "5197183"   "5635220").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/21 12:45 |
| S26 | 3  | ("3659821"   "5214846"   "5302101").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/21 15:25 |
| S27 | 10 | ("5645864").URPN.   | USPAT                        | OR | ON | 2006/04/21 15:25 |
| S28 | 10 | ("4894704"   "5645864"   "5684327"   "5750153"   "5753532"   "5977613"   "6028774"   "6238953"   "6399423"   "6469369").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/21 15:28 |

## EAST Search History

|     |     |   |                              |    |    |                  |
|-----|-----|---|------------------------------|----|----|------------------|
| S29 | 26  | ("4301464"   "4530152"  <br>"5041902"   "5157480"   "5172213"<br>  "5172214"   "5278446"  <br>"5428248"   "5517056"   "5521429"<br>  "5701034"   "5783861"  <br>"5835988"   "5866939"   "5894108"<br>  "5977613"   "5977630"  <br>"5986333"   "6013947"   "6143981"<br>  "6177718"   "6208020"  <br>"6222258"   "6229200"   "6242281"<br>  "6294100").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/21 15:30 |
| S30 | 5   | ("6469369").URPN.   | USPAT                        | OR | ON | 2006/04/21 15:55 |
| S31 | 18  | ("20020031867"   "5331205"  <br>"5436203"   "5736792"   "5953589"<br>  "5989474"   "6031281"  <br>"6043108"   "6048656"   "6104085"<br>  "6211574"   "6225685"  <br>"6268654"   "6303978"   "6369440"<br>  "6451628"   "6469369"  <br>"6512287").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/21 15:57 |
| S32 | 15  | ("4399610"   "4819041"  <br>"5036381"   "5114880"   "5138430"<br>  "5216283"   "5258649"  <br>"5263245"   "5289344"   "5318451"<br>  "5345106"   "5350713"  <br>"5402006"   "5457605"  <br>"5489801").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/21 16:00 |
| S33 | 1   | ("6104085").URPN.   | USPAT                        | OR | ON | 2006/04/21 16:03 |
| S34 | 0   | ("6750533").URPN.   | USPAT                        | OR | ON | 2006/04/21 16:05 |
| S35 | 0   | ("6664647").URPN.   | USPAT                        | OR | ON | 2006/04/21 16:10 |
| S36 | 10  | ("4332537"   "4480975"  <br>"4615857"   "4861251"   "5316463"<br>  "5405255"   "5409362"  <br>"5429488"   "5645864"  <br>"5656549").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/21 16:14 |
| S37 | 8   | ("5971734").URPN.   | USPAT                        | OR | ON | 2006/04/21 16:15 |
| S38 | 597 | 425/116.ccls.   | USPAT                        | OR | ON | 2006/04/21 16:46 |
| S39 | 578 | 425/127.ccls.   | USPAT                        | OR | ON | 2006/04/21 16:47 |
| S40 | 494 | S39 not S38   | USPAT                        | OR | ON | 2006/04/21 17:23 |
| S41 | 865 | 425/129.1.ccls.   | USPAT                        | OR | ON | 2006/04/21 17:23 |
| S42 | 567 | S41 not (S38 S39)   | USPAT                        | OR | ON | 2006/04/21 17:45 |
| S43 | 749 | 264/272.17.ccls.  | USPAT                        | OR | ON | 2006/04/21 17:45 |
| S44 | 588 | S43 not (S38 S39 S41)   | USPAT                        | OR | ON | 2006/04/21 17:53 |
| S45 | 1   | jp-11147249-\$  | JPO                          | OR | ON | 2006/04/21 17:54 |

## EAST Search History

|     |    |   |                              |    |    |                  |
|-----|----|---|------------------------------|----|----|------------------|
| S46 | 4  | ("20020115237"   "4126292"   "5071334"   "5624691").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/24 08:50 |
| S47 | 0  | ("6797542").URPN.   | USPAT                        | OR | ON | 2006/04/24 08:51 |
| S48 | 3  | ("4301464"   "5792676"   "6469369").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/24 08:53 |
| S49 | 12 | ("20020003308"   "5450283"   "5535101"   "5672912"   "5844309"   "6038136"   "6104095"   "6246115"   "6319450"   "6329606"   "6369455"   "6407461").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/24 08:58 |
| S50 | 5  | ("5137479"   "5293065"   "5665296"   "5961912"   "6007317").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/24 09:00 |
| S51 | 8  | ("5098626"   "5151276"   "5542171"   "5543159"   "5635671"   "5744084"   "5779958"   "H001654").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/24 09:00 |
| S52 | 7  | ("4188708"   "4822550"   "4861251"   "4927580"   "4954308"   "5108955"   "5578261").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/24 09:01 |
| S53 | 8  | ("5779958").URPN.   | USPAT                        | OR | ON | 2006/04/24 09:03 |
| S54 | 18 | ("5961912").URPN.   | USPAT                        | OR | ON | 2006/04/24 09:04 |
| S55 | 6  | ("6319450").URPN.   | USPAT                        | OR | ON | 2006/04/24 09:08 |
| S56 | 4  | ("4143456"   "5641996"   "5737191"   "5946554").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/24 09:14 |
| S57 | 1  | ("6368895").URPN.   | USPAT                        | OR | ON | 2006/04/24 09:15 |
| S58 | 11 | ("4942140"   "5101324"   "5134773"   "5139969"   "5179039"   "5249101"   "5264393"   "5450283"   "5461197"   "5482896"   "5579208").PN.                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/24 10:52 |
| S59 | 16 | ("5700723").URPN.   | USPAT                        | OR | ON | 2006/04/24 10:53 |
| S60 | 9  | ("3539675"   "4236689"   "4490902"   "4546951"   "5118271"   "5185653"   "5214846"   "5270262").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/24 10:59 |
| S61 | 9  | ("5637273").URPN.   | USPAT                        | OR | ON | 2006/04/24 10:59 |

## EAST Search History

|     |      |   |                              |    |    |                  |
|-----|------|---|------------------------------|----|----|------------------|
| S62 | 24   | ("3381071"   "3715423"  <br>"3754070"   "3930114"   "4507675"<br>  "4514752"   "4611389"  <br>"4637130"   "4816426"   "4823234"<br>  "4868349"   "4888307"  <br>"5032543"   "5041902"   "5065281"<br>  "5139973"   "5144412"  <br>"5147827"   "5152057"   "5155579"<br>  "5218759"   "5306459").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/24 11:13 |
| S63 | 32   | ("5441684").URPN.   | USPAT                        | OR | ON | 2006/04/24 13:50 |
| S64 | 2246 | 425/116,127,129.1.ccls. 264/272.<br>17.ccls.  | USPAT                        | OR | ON | 2006/04/25 12:00 |
| S65 | 482  | 438/112.ccls.   | USPAT                        | OR | ON | 2006/04/24 16:44 |
| S66 | 446  | S65 not S64   | USPAT                        | OR | ON | 2006/04/24 13:51 |

## EAST Search History

|     |     |  |                              |    |    |                  |
|-----|-----|--|------------------------------|----|----|------------------|
| S67 | 126 | ("3851221"   "4530152"  <br>"4567643"   "4707724"   "4729061"<br>  "4730232"   "4756080"  <br>"4763188"   "4982265"   "4996587"<br>  "5001302"   "5012323"  <br>"5025306"   "5040052"   "5138438"<br>  "5140404"   "5157480"  <br>"5165067"   "5198888"   "5200362"<br>  "5229647"   "5273938"  <br>"5291061"   "5323060"   "5334875"<br>  "5347429"   "5422435"  <br>"5426563"   "5432729"   "5450283"<br>  "5463253"   "5473196"  <br>"5474957"   "5474958"   "5491612"<br>  "5495394"   "5495398"  <br>"5502289"   "5514907"   "5545922"<br>  "5569625"   "5581498"  <br>"5583378"   "5587341"   "5604376"<br>  "5614766"   "5620928"  <br>"5637536"   "5637912"   "5640047"<br>  "5646828"   "5652185"  <br>"5668405"   "5682062"   "5689135"<br>  "5696031"   "5696666"  <br>"5715147"   "5721452"   "5739581"<br>  "5763939"   "5776798"  <br>"5783870"   "5793108"   "5796586"<br>  "5798014"   "5815372"  <br>"5819398"   "5835355"   "5854741"<br>  "5859471"   "5861666"  <br>"5866949"   "5872025"   "5885849"<br>  "5886412"   "5894108"  <br>"5903052"   "5909633"   "5917242"<br>  "5930599"   "5952611"  <br>"5973403"   "5977640"   "5986317"<br>  "6001671"   "6005778"  <br>"6013948"   "6034423"   "6034427"<br>  "6051886"   "6057598"  <br>"6060778"   "6072243"   "6074898"<br>  "6080264"   "6081037"  <br>"6093970"   "6099677"   "6100804"<br>  "6107689"   "6118184"  <br>"6122171"   "6126428"   "6127833"<br>  "6133637"   "6160705"  <br>"6172419"   "6184463"   "6198171"<br>  "6214641"   "6228676"  <br>"6235554"   "6242279"   "6257857"<br>  "6258632"   "6261869"  <br>"6262490"   "6268568"   "6271057"<br>  "6274404"   "6277672"  <br>"6303998"   "6326696"  <br>"6329709").PN. OR ("RE36613").<br>PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/24 14:23 |
| S68 | 1   | ("6717248").URPN.  | USPAT                        | OR | ON | 2006/04/24 15:22 |

## EAST Search History

|      |       |   |   |    |    |                  |
|------|-------|---|---|----|----|------------------|
| S69  | 20    | ("4283838"   "4331940"   "4756080"   "5045921"   "5170328"   "5355283"   "5406699"   "5474957"   "5490324"   "5534467"   "5614443"   "5620928"   "5635671"   "5654243"   "5661086"   "5674785"   "5705851"   "5732465"   "5852870"   "5859475").PN. | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/04/24 15:59 |
| S70  | 77    | ("6329606").URPN.   | USPAT   | OR | ON | 2006/04/24 16:02 |
| S71  | 1070  | 438/127.ccls.   | USPAT   | OR | ON | 2006/04/25 15:11 |
| S72  | 828   | S71 not (S64 S65)   | USPAT   | OR | ON | 2006/04/24 16:44 |
| S73  | 8     | ("6534859").URPN.   | USPAT   | OR | ON | 2006/04/24 17:49 |
| S74  | 8     | ("20020119602"   "20030134452"   "20040043539"   "5641987"   "5872395"   "5977626"   "6288444"   "6534859").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/04/24 17:50 |
| S75  | 0     | ("6969640").URPN.   | USPAT   | OR | ON | 2006/04/24 17:52 |
| S76  | 7     | ("5467252"   "5635671"   "5852870"   "5961912"   "5969427"   "5981873"   "5982625").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/04/24 18:03 |
| S77  | 4     | ("6372553").URPN.   | USPAT   | OR | ON | 2006/04/24 18:04 |
| S78  | 7     | ("4556896"   "4611398"   "4803544"   "5278446"   "5302850"   "5371044"   "5583370").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/04/24 18:36 |
| S79  | 1     | ("5780924").URPN.   | USPAT   | OR | ON | 2006/04/24 18:37 |
| S80  | 283   | 425/116,127,129.1.ccls. 264/272. 17.ccls.   | US-PGPUB  | OR | ON | 2006/04/25 17:47 |
| S95  | 467   | 438/127,112.ccls.   | US-PGPUB  | OR | ON | 2006/04/25 17:47 |
| S96  | 283   | 425/116,127,129.1.ccls. 264/272. 17.ccls.   | US-PGPUB  | OR | ON | 2006/04/25 15:12 |
| S97  | 457   | S95 not S96   | US-PGPUB  | OR | ON | 2006/04/25 15:12 |
| S98  | 1     | ("2002/0019072").URPN.  | USPAT   | OR | ON | 2006/04/25 17:46 |
| S99  | 30393 | gate with block   | USPAT   | OR | ON | 2006/04/25 17:46 |
| S100 | 2247  | 425/116,127,129.1.ccls. 264/272. 17.ccls.   | USPAT   | OR | ON | 2006/04/25 17:47 |
| S101 | 1370  | 438/127,112.ccls.   | USPAT   | OR | ON | 2006/04/25 17:47 |
| S102 | 65    | S99 and (S100 S101)   | USPAT   | OR | ON | 2006/04/25 17:55 |
| S103 | 2952  | gate adj block  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 17:55 |

## EAST Search History

|          |      |  |   |    |    |                  |
|----------|------|--|---|----|----|------------------|
| S10<br>4 | 184  | S103 same (semiconductor encapsulate encapsulated encapsulating)           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 17:56 |
| S10<br>5 | 8    | S104 same (mold molding)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 18:02 |
| S10<br>6 | 6617 | corner with gate   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 18:02 |
| S10<br>7 | 333  | S106 same mold   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 18:03 |
| S10<br>8 | 86   | S107 same (semiconductor encapsulate encapsulated encapsulating packaging) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 18:03 |
| S10<br>9 | 4    | ("5123826"   "5302101"   "5635220"   "5645864").PN.                        | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/04/25 18:10 |
| S11<br>0 | 11   | ("5750153").URPN.  | USPAT   | OR | ON | 2006/04/25 18:10 |



## EAST Search History

| Ref # | Hits   | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|--------|---|---|------------------|---------|------------------|
| L1    | 11403  | gate adj5 block   | USPAT   | OR               | ON      | 2006/04/28 16:58 |
| L2    | 242525 | (moved moving move actuating actuated actuate) with (close closing closed)                                      | USPAT   | OR               | ON      | 2006/04/28 16:59 |
| L3    | 88     | 1 with 2  | USPAT   | OR               | ON      | 2006/04/28 16:58 |
| L4    | 0      | (encapsulation encapsulate encapsulated packaging packaged package) same 3                                      | USPAT   | OR               | ON      | 2006/04/28 16:59 |
| L5    | 17969  | gate adj5 block   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/28 16:58 |
| L6    | 405919 | (moved moving move actuating actuated actuate) with (close closing closed)                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/28 16:59 |
| L7    | 117    | 5 with 6  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/28 16:59 |
| L8    | 2      | (encapsulation encapsulate encapsulated packaging packaged package) same 7                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/28 17:06 |
| L9    | 4      | ((injection injecting inject) with (mold molded molding)) same 7  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/28 17:10 |
| L10   | 6      | ("4212624").URPN.   | USPAT   | OR               | ON      | 2006/04/28 17:07 |
| L11   | 6      | ("3010155"   "3093865"   "3530539").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR               | ON      | 2006/04/28 17:08 |
| L12   | 442    | 425/562.ccls.   | USPAT   | OR               | ON      | 2006/04/28 17:55 |
| L13   | 9      | ("4073944"   "4077760"   "4099904"   "4712995"   "4787840"   "4919606"   "5127819"   "5499916"   "5922363").PN. | US-PGPUB;<br>USPAT;<br>USOCR                            | OR               | ON      | 2006/04/28 17:15 |
| L14   | 1      | ("6355197").URPN.   | USPAT   | OR               | ON      | 2006/04/28 17:16 |

## EAST Search History

|     |    |   |                              |    |    |                  |
|-----|----|---|------------------------------|----|----|------------------|
| L15 | 11 | ("2559861"   "3549477"   "4077760"   "4162138"   "4377548"   "4451973"   "4626185"   "4680003"   "4723899").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/04/28 17:32 |
| L16 | 20 | ("5049055").URPN.   | USPAT                        | OR | ON | 2006/04/28 17:34 |
| L17 | 5  | ("3690800").URPN.   | USPAT                        | OR | ON | 2006/04/28 17:50 |
| L18 | 5  | ("2766482").URPN.   | USPAT                        | OR | ON | 2006/04/28 17:53 |
| L19 | 32 | 425/562.ccls.   | US-PGPUB                     | OR | ON | 2006/04/28 17:55 |